

Narrative Summary – July 2021

July 2021 was much warmer than normal, averaging 83.2°F, 5.0° above normal (78.2°F). This set a record for the month of July, and was also an all-time record high for any month. The previous monthly and all-time record was 82.8°F (2014). The coolest (1993) averaged 70.5°F. There were 30 days in July with a maximum temperature $\geq 90^\circ\text{F}$ compared to a July normal of 20 such days. For the year there have been 51 days with a maximum temperature $\geq 90^\circ\text{F}$ compared to a normal (through July) of 33 days. There were 16 days in July with a maximum temperature $\geq 100^\circ\text{F}$ compared to a normal of 8 days. For the year there have been 26 days with a maximum temperature $\geq 100^\circ\text{F}$ compared to a normal (through July) of 10 days. The is already close to the yearly record of 28 days (2015).

The following daily temperature record was established:

Date	Category	New Record	Old Record	Year
14	High Maximum	107	107	1987+ (Tied Record)
31	High Minimum	83	79	2020

Precipitation for July 2021 totaled just a trace, compared to a normal (0.20 inches). Total precipitation for 2021 (through July) is 1.76 inches, 42% of normal (4.16 inches). This is the 3rd lowest January-July total on record. The record lowest yearly total through July is 1.44 inches (1973). The wettest July (1993) received 1.76 inches, while the driest (2020+) received no precipitation.

The average wind speed for July 2021 was 9.0 miles per hour (mph), which was 0.2 mph above normal (8.8 mph). The windiest July (1983) averaged 10.7 mph, while the July with the lightest winds (1955) averaged 6.8 mph. The peak gust for July 2021 was from the NW at 43 mph on July 21. The record wind gust for July (69 mph) occurred in 1979.

The monthly climatological data summaries, as well as other information, are available on the Internet.

Address: <http://www.hanford.gov/page.cfm/hms>

Or contact:

HMS staff: 373-2716 hms@rl.gov

Grant Gutierrez: 376-5736 Grant_E_Gutierrez@rl.gov

Note: The data in this summary pertain specifically to the Hanford Meteorology Station (HMS), which is located approximately 25 miles northwest of Richland, WA. No attempt should be made to infer meteorological conditions at other locations from these data.